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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☐ Responsive to communication(s) filed on _____.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-54* is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1-54* is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on *30 August 2004* is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a) ☐ All　b) ☐ Some * c) ☐ None of:

　　　1. ☐ Certified copies of the priority documents have been received.

　　　2. ☐ Certified copies of the priority documents have been received in Application No. _____.

　　　3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
　　Paper No(s)/Mail Date <u>9/17/2003</u>.

4) ☐ Interview Summary (PTO-413)
　　Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

Claim Objections

Claims **26 and 52** objected to because of the following informalities: Claim 26 and 52 are examined on the merits to be dependent from claim 1 and claim 46 respectively. Appropriate correction is required.

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2.   **Claims 1-54** rejected under 35 U.S.C. 102(e) as being anticipated by Sevanto et al. (US

Patent Number 6,658,011).

Regarding **Claim 1** Sevanto et al. discloses a method for facilitating Wireless Application Protocol (WAP) transmissions comprising *(see col. 2, line 45-46, invention is a method for conveying WAP-related messages between terminal and WAP-GWs):*

monitoring WAP traffic on a network*(see col. 2, line 52-56, invention provides means for distinguishing the WAP related traffic from other types of traffic, therefore WAP traffic is monitored) ;*

analyzing the WAP traffic for at least one WAP transaction *(see col. 2-3, line 65-2, exchanging information related to the use of WAP between the WDP layer and the terminal arrangement and the wireless datagram layer);*

analyzing the at least one WAP transaction for the support of WAP Segmentation And Reassembly (SAR)*(OSP, see col. 3, lines 58-61, the WAP-related messages are conveyed as an octet stream, and packet assembly/disassembly(SAR) function is applied by the OSP protocol) (see col. 2, lines 57-59, making sure (analyzing) conditions are met by using the OSP(Octet Stream Protocol), to carry required WAP information) ;* and

transmitting content of the at least one WAP transaction to an intended WAP client *(see col. 7, lines 37-40, a logical tunnel is placed between a MS and the GGSN-WAP-GW, where the WAP-related message is delivered).*

Regarding **Claim 2** Sevanto et al. discloses everything as applied above (*see claim 1*). In addition the method includes:

wherein the analyzing of the WAP traffic includes analyzing the at least one packet of the at least one WAP transaction *(see col. 6,lines 22-26, the WAP packet is analyzed by identify the protocol as OSP, and the service being used to allow the SGSN to select the required GGSN/WAP-GW), see col. 6, line 50-51, the QoS is also analyzed)* .

Regarding **Claim 3** Sevanto et al. discloses everything as applied above (*see claim 2*). In addition the method includes:

wherein the at least one packet includes the first packet of the at least one WAP transaction (*see fig. 4, see col. 6, line 1-4, fig 4 is an example of the mobile procedure of the WAP message between the MS and GGSN/WAP-GW).*

Regarding **Claim 4** Sevanto et al. discloses everything as applied above (*see claim 3*). In addition the method includes:

wherein the first packet of the at least one WAP transaction(message) is from a WAP client *(MS)(see col. 6, lines 7-10, the message for a WAP transmission from the MS will include certain parameters, the MS is the WAP client).*

Regarding **Claim 5** Sevanto et al. discloses everything as applied above (*see claim 2*). In addition the method includes:

wherein analyzing the at least one WAP transaction for the support of WAP SAR includes *(OSP),* analyzing at least one packet from a WAP gateway, if support of WAP SAR is detected *(see col. 6, line 22-26, first identify the protocol OSP, then analyze the second part, that identifies the service being used).*

Regarding **Claim 6** Sevanto et al. discloses everything as applied above (*see claim 5*). In addition the method includes:

additionally comprising, modifying the at least one WAP transaction by adjusting SAR parameters *(WAP parameters)* of the transaction to produce a transmission for the WAP client *(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client)).*

Regarding **Claim 7** Sevanto et al. discloses a packet processing apparatus comprising:

a network interface configured for monitoring Wireless Application Protocol (WAP) traffic on a network*(see figure 6, section 621 and 623, processing unit and control unit, see col. 9, line 24-27, the control unit monitors the setting up and maintaining of connection as part of the processing unit);* and

a processor programmed to*(see figure 6, section 621, processing unit)*:

analyze the WAP traffic for at least one WAP transaction*(see col. 9, lines 21-27, the processing unit along with the control unit control the set up of WAP traffic)* ;

analyze the at least one WAP transaction for the support of WAP Segmentation And Reassembly (SAR)*(OSP)(see col. 9, lines 34-36, the WDP protocol layer is arranged to indicate the OSP layer or the need to set up OSP)* ; and

cause transmission of the content of the at least one WAP transaction to an intended WAP client*(see col. 9, lines 24-27, the control unit handles the set up maintaining and tear down of the WAP transaction to the WAP client).*

Regarding **Claim 8** Sevanto et al. discloses everything as applied above (*see claim 7*). In addition the apparatus includes:

wherein the processor programmed to analyze the WAP traffic is additionally programmed to analyze at least one packet of the at least one WAP transaction*(see col. 2-3, line 65-2, exchanging information related to the use of WAP between the WDP layer and the terminal arrangement and the wireless datagram layer, see col. 9, lines 24-31, the processor is programmed to set up and maintain WAP transactions));.*

Regarding **Claim 9** Sevanto et al. discloses everything as applied above (*see claim 8*). In addition the apparatus includes:

wherein the at least one packet includes at least the first packet of the at least one WAP transaction(*see fig. 4, see col. 6, line 1-4, fig 4 is an example of the mobile procedure of the WAP message between the MS and GGSN/WAP-GW).*

Regarding **Claim 10** Sevanto et al. discloses everything as applied above (*see claim 8*). In addition the apparatus includes:

wherein the first packet of the at least one WAP transaction is from a WAP client*(MS)(see col. 6, lines 7-10, the message for a WAP transmission from the MS will include certain parameters, the MS is the WAP client).*

Regarding **Claim 11** Sevanto et al. discloses everything as applied above (*see claim 7*). In addition the apparatus includes:

wherein the processor programmed to analyze the at least one WAP transaction for the support of WAP Segmentation And Reassembly (SAR) *(OSP),*is additionally programmed to: analyze at least one packet from a WAP gateway for the support of WAP SAR, if support of WAP SAR is detected*(see col. 6, line 22-26, first identify the protocol OSP, then analyze the second part, that identifies the service being used).*

Regarding **Claim 12** Sevanto et al. discloses everything as applied above (*see claim 1*). In addition the apparatus includes:

wherein the processor programmed to analyze the at least one WAP transaction for the support of WAP Segmentation And Reassembly (SAR) is additionally programmed to: modify the WAP transaction by adjusting SAR parameters*(WAP parameters)* of the transaction to produce a transmission for the WAP client, if support of WAP SAR is detected*(see col. 7, lines 29-35, after activating service and configuring WAP-parameters, a message is sent to the MS (WAP client)).*

Regarding **Claim 13** Sevanto et al. discloses a programmable storage device readable by a machine, tangibly embodying a program of instructions executable by a machine to perform method steps for facilitating Wireless Application Protocol (WAP) transmissions, said method steps selectively executed during the time when said program of instructions is executed on said machine, comprising *(see figure 6, section 621, processing unit)*:

analyzing WAP traffic for at least one WAP transaction*(see col. 2-3, line 65-2, exchanging information related to the use of WAP between the WDP layer and the terminal arrangement and the wireless datagram layer);;*

analyzing the at least one WAP transaction for the support of WAP Segmentation And Reassembly (SAR)*)(OSP, see col. 3, lines 58-61, the WAP-related messages are conveyed as an octet stream, and packet assembly/disassembly(SAR) function is applied by the OSP protocol) (see col. 2, lines 57-59, making sure (analyzing) conditions are met by using the OSP(Octet Stream Protocol), to carry required WAP information)*; and

causing transmission of the content of the at least one WAP transaction to an intended WAP client*(see col. 9, lines 24-27, the control unit handles the set up maintaining and tear down of the WAP transaction to the WAP client).*

Regarding **Claim 14** Sevanto et al. discloses everything as applied above (*see claim 13*). In addition the programmable storage device includes:

wherein the analyzing of the WAP traffic includes analyzing at least one packet of the at least one WAP transaction*(see col. 6,lines 22-26, the WAP packet is analyzed by identify the protocol as OSP, and the service being used to allow the SGSN to select the required GGSN/WAP-GW), see col. 6, line 50-51, the QoS is also analyzed).*

Regarding **Claim 15** Sevanto et al. discloses everything as applied above (*see claim 14*). In addition the programmable storage device includes:

wherein the at least one packet of the at least one WAP transaction includes the first packet of the at least one WAP transaction(*see fig. 4, see col. 6, line 1-4, fig 4 is an example of the mobile procedure of the WAP message between the MS and GGSN/WAP-GW).*

Regarding **Claim 16** Sevanto et al. discloses everything as applied above (*see claim 15*). In addition the programmable storage device includes:

wherein the first packet of the at least one WAP transaction is from a WAP client *(MS)(see col. 6, lines 7-10, the message for a WAP transmission from the MS will include certain parameters, the MS is the WAP client).*

Regarding **Claim 17** Sevanto et al. discloses everything as applied above (*see claim 13*). In addition the programmable storage device includes:

wherein analyzing the at least one WAP transaction for the support of WAP Segmentation And Reassembly (SAR) *(OSP),*, includes analyzing at least one packet from a WAP gateway, if support of WAP SAR is detected*(see col. 6, line 22-26, first identify the protocol OSP, then analyze the second part, that identifies the service being used).*

Regarding **Claim 18** Sevanto et al. discloses everything as applied above (*see claim 13*). In addition the programmable storage device includes:

wherein analyzing the at least one WAP transaction for the support of WAP Segmentation And Reassembly (SAR), includes, modifying the WAP transaction by adjusting SAR parameters*(WAP parameters)* of the transaction to produce a transmission for the WAP client, if support of WAP SAR is detected*(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client)).*

Regarding **Claim 19** Sevanto et al. discloses a method for facilitating packet transport over a General Packet Radio Service (GPRS) network comprising*(see figure 6, GPRS network):*

monitoring Wireless Application Protocol (WAP) traffic on the GPRS network for information about at least one WAP client*(see col. 2, line 52-56, invention provides means for distinguishing the WAP related traffic from other types of traffic, therefore WAP traffic is monitored (see figure 6, GPRS network);*

analyzing the WAP traffic for at least one characteristic(*first identify the protocol OSP)* of at least one WAP transaction destined for the at least one WAP client*(see col. 6, line 22-26, first identify the protocol OSP, then analyze the second part, that identifies the service being used);* and

producing the optimized transmission(**WAP- parameters configure base on QoS)** for the at least one WAP client of the content of the at least one WAP transaction based on the at least one characteristic and the information about the at least one WAP client*(see col. 7, lines 29-35, after activating service and configuring WAP-parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 20** Sevanto et al. discloses everything as applied above (*see claim 13*). In addition the method includes:

wherein the monitoring of the WAP traffic is performed on the Gb interface of the GPRS network *(see figure 6, section 621, processing unit, which is located within the GPRS network)*.

Regarding **Claim 21** Sevanto et al. discloses everything as applied above (*see claim 19*). In addition the method includes:

wherein the at least one characteristic of the at least one WAP transaction includes at least one of: SAR, Retransmission flag, WAP capabilities of the WAP client and the WAP gateway*(see col. 6, line 22-26, first identify the protocol OSP(WAP characteristics), then analyze the second part(WAP characteristics), that identifies the service being used)*.

Regarding **Claim 22** Sevanto et al. discloses everything as applied above (*see claim 21*). In addition the method includes: .

wherein analyzing the WAP traffic includes matching the at least one WAP transaction to the information(*WAP- parameters)* received from the monitoring of the GPRS network*(see col. 7, lines 29-35, after activating service and configuring WAP-parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 23** Sevanto et al. discloses everything as applied above (*see claim 22*). In addition the method includes:

wherein the matching includes at least a partial correspondence(*WAP-parameters)* of the WAP transaction and the information received from the monitoring of the GPRS network*(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 24** Sevanto et al. discloses everything as applied above (*see claim 19*). In addition the method includes:

wherein the producing the optimized transmission(**WAP- parameters configure base on QoS)** includes adjusting the characteristics of the at least one WAP transaction according to the information received from the monitoring of the GPRS network*(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 25** Sevanto et al. discloses everything as applied above (*see* *claim 20*). In addition the method includes:

wherein the monitoring of the WAP traffic is performed by a GPRS monitor*(see figure 6, section 621 and 623, processing unit and control unit,(GPRS monitor) see col. 9, line 24-27, the control unit monitors the setting up and maintaining of connection as part of the processing unit)*.

Regarding **Claim 26** Sevanto et al. discloses everything as applied above (*see* *claim 1*). In addition the method includes:

wherein the monitoring WAP traffic on the GPRS network is continuous*(see col. 2, line 52-56, invention provides means for distinguishing the WAP related traffic from other types of traffic, therefore WAP traffic is monitored continuously)*.

Regarding **Claim 27** Sevanto et al. discloses everything as applied above (*see* *claim 26*). In addition the method includes:

wherein the analyzing the WAP traffic and the producing the optimized transmission are performed continuously in response to the continuous monitoring *(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client), this is a continuous process)*.

Regarding **Claim 28** Sevanto et al. discloses everything as applied above (*see* *claim 19*). In addition the method includes:

wherein the producing the optimized**(WAP- parameters configure base on QoS)** transmission includes queuing and shaping (*configuring WAP- parameters, message)* packets of the at least one WAP transaction*(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 29** Sevanto et al. discloses everything as applied above (*see* *claim 19*). In addition the method includes:

wherein the packet transport includes packets flowing in an uplink direction*(see col. 7, lines 37-40, a logical tunnel is placed between the MS and the GGSN/WAP-GW)*.

Regarding **Claim 30** Sevanto et al. discloses everything as applied above (*see* *claim 19*). In addition the method includes:

wherein the packet transport includes packets flowing in a downlink direction*(see col. 7, lines 45-48, the GGSN/WAP-GW can indicate to the MS through a message that a WAP-related information is waiting for delivery)*.

Regarding **Claim 31** Sevanto et al. discloses a Wireless Application Protocol (WAP) proxy engine comprising:

a first module **(processing unit)**for receiving General Packet Radio Service (GPRS) monitoring data*(see figure 6, section 621 and 623, processing unit and control unit, see col. 9, line 24-27, the control unit monitors the setting up and maintaining of connection as part of the processing unit);*; and

at least one second module**(control unit)** configured for receiving and analyzing WAP transactions according to the received GPRS monitoring data*(see figure 6, section 621 and 623, processing unit and control unit, see col. 9, line 24-27, the control unit monitors the setting up and maintaining of connection as part of the processing unit);*.

Regarding **Claim 32** Sevanto et al. discloses everything as applied above (*see claim 31*). In addition the WAP Proxy engine includes:

wherein said at least one second module is additionally configured for producing an optimized transmission for at least one WAP client of the content of at least one of the WAP transactions, based on at least one characteristic and information **(WAP-parameters configure base on QoS)** about the at least one WAP client *(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 33** Sevanto et al. discloses everything as applied above (*see claim 32*). In addition the WAP Proxy engine includes:

wherein the second module **(control unit)** configured for analyzing WAP transactions is additionally configured to analyze the at least one WAP transaction by matching the at least one WAP transaction to the GPRS monitoring data**(WAP-parameters configure base on QoS)** *(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 34** Sevanto et al. discloses everything as applied above (*see claim 33*). In addition the WAP Proxy engine includes:

wherein the matching includes at least a partial correspondence (***WAP-parameters)***of the at least one WAP transaction and the GPRS monitoring data*(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 35** Sevanto et al. discloses everything as applied above (*see claim 32*). In addition the WAP Proxy engine includes:

wherein the producing an optimized transmission **(WAP- parameters configure base on QoS)** includes, adjusting the characteristics of the at least one WAP

transaction according to the information received from the GPRS monitoring data *(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 36** Sevanto et al. discloses everything as applied above (*see claim 33*). In addition the WAP Proxy engine includes:

wherein the analyzing the WAP transactions and the producing of an optimized transmission are performed continuously in response to the GPRS monitoring data *(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client), this is a continuous process)*.

Regarding **Claim 37** Sevanto et al. discloses everything as applied above (*see claim 32*). In addition the WAP Proxy engine includes:

wherein the producing the optimized transmission includes queuing and shaping (*configuring WAP- parameters, message)* packets of the at least one of the WAP transactions *(see col. 7, lines 29-35, after activating service and configuring WAP-parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 38** Sevanto et al. discloses a packet processing device comprising:

a network interface configured for receiving General Packet Radio Service (GPRS) monitoring information and Wireless Application Protocol (WAP) traffic *(see figure 6, section 621 and 623, processing unit and control unit, see col. 9, line 24-27, the control unit monitors the setting up and maintaining of connection as part of the processing unit)*; and

a processor programmed to *(see figure 6, section 621, processing unit)*:

analyze the WAP traffic for at least one characteristic of at least one WAP transaction destined for at least one WAP client *(see col. 9, lines 21-27, the processing unit along with the control unit control the set up of WAP traffic)*; and

produce an optimized transmission for the at least one WAP client of the content of the at least one WAP transaction based on the at least one characteristic of the at least one WAP transaction destined for the at least one WAP client *(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 39** Sevanto et al. discloses everything as applied above (*see claim 38*). In addition the device includes:

wherein the at least one characteristic of the at least one WAP transaction includes at least one of: Segmentation and Reassembly (SAR), Retransmission flag, WAP capabilities of the WAP client and the WAP gateway *(see col. 6, line 22-26, first*

identify the protocol OSP(WAP characteristics), then analyze the second part(WAP characteristics), that identifies the service being used).

Regarding **Claim 40** Sevanto et al. discloses everything as applied above (*see claim 38*). In addition the device includes:

wherein the processor **(control unit)** is additionally programmed to: analyze the at least one WAP transaction by matching the at least one WAP transaction to the received GPRS monitoring information **(WAP- parameters configure base on QoS)** *(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 41** Sevanto et al. discloses everything as applied above (*see claim 40*). In addition the device includes:

wherein the matching includes at least a partial correspondence (***WAP-parameters)*** of the at least one WAP transaction and the received GPRS monitoring information *(see col. 7, lines 29-35, after activating service and configuring WAP-parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 42** Sevanto et al. discloses everything as applied above (*see claim 38*). In addition the device includes:

wherein the processor programmed to produce an optimized transmission includes adjusting the characteristics of the at least one WAP transaction according to the received GPRS monitoring information *(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 43** Sevanto et al. discloses everything as applied above (*see claim 38*). In addition the device includes:

wherein the network interface is configured for continuously monitoring WAP traffic on the GPRS network*(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client), this is a continuous process)*.

Regarding **Claim 44** Sevanto et al. discloses everything as applied above (*see claim 43*). In addition the device includes:

wherein the processor is additionally programmed to: analyze the WAP traffic and produce the optimized transmission continuously, in response to the continuous monitoring by the network interface monitoring *(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client), this is a continuous process)*.

Regarding **Claim 45** Sevanto et al. discloses everything as applied above (*see claim 38*). In addition the device includes:

wherein the processor programmed to produce the optimized transmission includes the processor programmed for queuing and shaping packets (*configuring WAP- parameters, message)* of the at least one WAP transaction *(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client)).*

Regarding **Claim 46** Sevanto et al. discloses a system for processing packets comprising:

a Quality of Service (QoS) server **(processing unit)**;

a monitor **(control unit)** for coupling to a network and detecting Wireless Application Protocol (WAP) traffic *(see figure 6, section 621 and 623, processing unit and control unit, see col. 9, line 24-27, the control unit monitors the setting up and maintaining of connection(WAP traffic) as part of the processing unit)*; and

an engine coupled to the QoS server and the monitor**(control unit)**, the engine configured for: analyzing the WAP traffic for at least one characteristic of at least one WAP transaction destined for at least one WAP client; and, producing an optimized transmission for the at least one WAP client, based on the at least one characteristic of the at least one WAP transaction destined for the at least one WAP client, and the information about the at least one WAP client*(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client)).*

Regarding **Claim 47** Sevanto et al. discloses everything as applied above (*see claim 46*). In addition the system includes:

wherein the QoS server includes a traffic shaper and a packet classifier*(see figure 6, section 621 and 623, processing unit and control unit, see col. 9, line 24-27, the control unit monitors the setting up and maintaining of connection as part of the processing unit, processing unit and control unit does the traffic shaping and packet classifying)..*

Regarding **Claim 48** Sevanto et al. discloses everything as applied above (*see claim 46*). In addition the system includes:

wherein the at least one characteristic of the at least one WAP transaction includes at least one of: Segmentation and Reassembly (SAR), Retransmission flag, WAP capabilities of the WAP client and the WAP gateway *(see col. 6, line 22-26, first identify the protocol OSP(WAP characteristics), then analyze the second part(WAP characteristics), that identifies the service being used).*

Regarding **Claim 49** Sevanto et al. discloses everything as applied above (*see claim 46*). In addition the system includes:

wherein the engine configured for analyzing the WAP traffic for at least one characteristic of at least one WAP transaction is additionally configured to: analyze the at least one WAP transaction by matching the at least one WAP transaction to the detected WAP traffic (**WAP- parameters configure base on QoS**) *(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 50** Sevanto et al. discloses everything as applied above (*see claim 49*). In addition the system includes:

wherein the matching includes at least a partial correspondence (***WAP- parameters***) of the at least one WAP transaction and the detected WAP traffic *(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 51** Sevanto et al. discloses everything as applied above (*see claim 46*). In addition the system includes:

wherein the engine configured for producing an optimized transmission (**WAP- parameters configure base on QoS)** is additionally configured for adjusting the characteristics of the at least one WAP transaction according to the detected WAP traffic*(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client))*.

Regarding **Claim 52** Sevanto et al. discloses everything as applied above (*see claim 38*). In addition the system includes:

wherein the monitor is configured for continuously monitoring WAP traffic on the network*(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client), this is a continuous process)*.

Regarding **Claim 53** Sevanto et al. discloses everything as applied above (*see claim 52*). In addition the system includes:

wherein the engine is additionally configured to: analyze the WAP traffic and produce the optimized transmission continuously, in response to the continuous monitoring of the WAP traffic on the network by the monitor*(see col. 7, lines 29-35, after activating service and configuring WAP- parameters, a message is sent to the MS (WAP client), this is a continuous process)*.

Regarding **Claim 54** Sevanto et al. discloses everything as applied above (*see claim 46*). In addition the system includes:

wherein the engine configured to produce the optimized transmission is additionally configured queuing and shaping packets(*configuring WAP- parameters, message*) of the at least one WAP transaction*(see col. 7, lines 29-35, after*

activating service and configuring WAP- parameters, a message is sent to the MS (WAP client)).

Citation of Pertinent Prior Art

3.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Narinen et al. (US Patent Application Publication 2002/0115456) see figure 1.

Creamer et al. (US Patent Number 6,694,002) see figure 3.

WAP Architecture, Version 30 April 1998, Wireless Application Protocol Architecture Specification, ©Wireless Application Protocol Forum, Ltd. 1998, see page 20.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mon Cheri S. Davenport whose telephone number is 571-270-1803. The examiner can normally be reached on Monday - Friday 8:00 a.m. - 5:00 p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on 571-272-3174. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
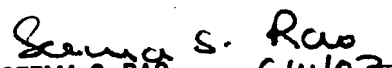
Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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MD/md
May 31, 2007

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